

Claims

1. Pressurized can comprising a body (2), a dome (3) accommodating a valve (4), a concavely shaped bottom (5), an inner casing (7) attached to a cup (6), a push rod (9) arranged in the inner casing (7), said push rod (9) being actuated through the cup (6) and intended to force open the inner casing (7), with said inner casing (7) being joined to the cup (6) via a spring cage (11), said spring cage (11) containing a spring-loaded trigger (12) which acts on the push rod (9) which, in turn, acts on a cover (8) arranged at the can-side end of the inner casing (7), characterized in that the cover (8) is a membrane which seals the inner casing (7) at its can-side end hermetically against the contents of the pressurized can (1) and which is torn open by the push rod (9) when the trigger (12) is actuated.

2. Pressurized can according to claim 1, characterized in that the membrane (8) is glued to the inner casing (7).

3. Pressurized can according to claim 2, characterized in that the membrane (8) is additionally screwed on to the inner casing (7).

4. Pressurized can according to claims 2 or 3, characterized in that the inner casing (7) is provided, at its extreme end, with a receptacle (18) for securing it to the spring case (11).

5. Pressurized can according to any of claims 1 to 4, characterized in that a second membrane (15) is arranged in the transition area from the inner casing (7) to the receptacle (18).

6. Pressurized can according to claim 4 or 5, characterized in that the receptacle (18) and a spring case (11) are clinched together.

7. Pressurized can according to claim 6, characterized in that the free end of the receptacle (18) is placed over an outer circumferential projection (32) of the spring cage (11).

8. Pressurized can according to any of the above claims, characterized in that the inner casing (7) is arranged on a cup (6) located in the bottom (5) of the pressurized can (1).

9. Pressurized can according to any of claims 1 to 8, characterized in that the cup (6) with the inner casing (7) is arranged in the dome (2) of the pressurized can (1).

10. Pressurized can according to claim 9, characterized in that the trigger (12) is provided with a receptacle (33) for a trigger pin (14) or a spray head.

11. Pressurized can according to claim 1, characterized in that the inner casing (7) is secured to the cup (6) arranged in the bottom (5) of the can (1) and is provided with an attached membrane (8).

12. Pressurized can according to claim 11, characterized in that the inner casing (7) and the cup (6) are joined together by crimping.

13. Pressurized can according to claims 1 to 12, characterized in that the spring cage (11) is fixed in a central pocket (19) of the cup (6).

14. Pressurized can according to any of the above claims, characterized in that the push rod (9) is provided with several wings (17) along a central axis.

15. Pressurized can according to claim 14, characterized in that the push rod (9) has the shape of a sloped and sharp-edged hollow cylinder (16) at its can-side end.

5 16. Pressurized can according to any of claims 14 and 15, characterized in that the wings (17) are provided with cut-outs and/or recesses.

17. Pressurized can according to any of the above claims, characterized in that a seal (20) is arranged between the spring cage (11) and the cup (6) in the area of the central pocket (19).

10 18. Pressurized can according to any of the above claims, characterized in that the spring cage (11) is provided, at its valve-side end, with an internal projection (21) acting as an abutment for a spring element (13).

19. Pressurized can according to claim 13, characterized in that the trigger (12) is provided, at its cup-side end, with a peripheral projection (22) acting as an abutment for the spring element (13).

15 20. Pressurized can according to any of the above claims, characterized in that the trigger (12) is provided, at its cup-side end, with a sealing seat (23) having the form of a circumferential projection.

20 21. Pressurized can according to any of the above claims, characterized in that the inner casing (7) and the membrane (8) are made from aluminium.

22. Pressurized can according to any of the above claims, characterized in that the spring cage (11) is provided with at least one cut-out (34).

25 23. Pressurized can according to claim 2 or 3, characterized in that the membrane (8) is glued to the inner casing using a two-component glue.

24. Pressurized can according to claim 23, characterized in that the glue is a cross-linking epoxy/amine system or a polyisocyanate/hardener system.

5 25. Use of the pressurized can according to any of claims 1 to 24 for liquid two-component systems, in particular two-component sealing foams, two-component glues or two-component coatings.